

DEPTH (FEET)	OTHER TESTS	SHEAR STRENGTH PSF	ATTERBERG LIMITS			FIELD MOISTURE CONTENT %	DRY DENSITY PCF	WATER LOSS (LUGGONS)	PERCENT RECOVERED	NO.
			LIQUID LIMIT %	PLASTIC LIMIT %	PLASTICITY INDEX %					
0										
5										
10										
15										
20										
25										
30										
35										
40										
45										
50										
55										
60									100	97
65										
70									100	76
75										

BLOW COUNTS
SAMPLES

BORING L-3

SURFACE ELEVATION 589.0

ELEVATION
(FEET)

SYMBOLS

DESCRIPTIONS

STRIP MINE DEBRIS

—585

—580

—575

—570

—565

—560

—555

—550

—545

—540

—535

TOP OF CORE
BROWNISH-GRAY SILTY CLAY

—530

GRADES CRACKISH-GREEN BELOW 60.0 FEET
(RESIDUAL SOIL)

CL

—525

—520

TOP OF BEDROCK (ALEXANDRIAN SERIES)
LIGHT BROWN TO GRAY DOLOMITE, FINE GRAINED;
THIN BEDDED, NUMEROUS GREEN SHALE PARTINGS
1/10 TO 1/4 INCH THICK SPACED 1/2 TO 4 INCHES,
SLIGHTLY WEATHERED, WELL INDURATED.
BORING CONTINUED

—515

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FIGURE 2.5-155

LOG OF BORING L-3
(SHEET 1 OF 4)

DEPTH (FEET)	OTHER TESTS	SHEAR STRENGTH PSF	ATTERBERG LIMITS			FIELD MOISTURE CONTENT %	DRY DENSITY PCF	WATER LOSS (LUGGONS)	PERCENT RECOVERED	ROD
			LIQUID LIMIT %	PLASTIC LIMIT %	PLASTICITY INDEX %					
75										
80									100	90
85										
90									100	87
95										
100									100	99
105										
110									100	98
115										
120									100	98
125										
130									100	93
135										
140									100	99
145										
150										

BORING L-3 CONTINUED

ELEVATION
(FEET)

SYMBOLS

DESCRIPTIONS

GRAYISH-GREEN SILTY CLAY

POROUS ZONE WITH NUMEROUS PINPOINT TO
1/10 INCH OPENINGS FROM 77.6 TO 78.8 FEET,
LESS THAN 1% VOIDS

—510

1/2 TO 1 INCH SOLUTION CAVITIES SPACED 3 TO
6 INCHES FROM 78.0 TO 79.2 FEET, APPROXIMATELY
5% VOIDS

GRADES TO GREENISH-GRAY COLOR BELOW
79.5 FEET, MASSIVE BEDDING
BROWNISH-GRAY SILTSTONE, DOLOMITIC, WELL INDURATED;
THINLY LAMINATED

—505

INTERBEDDED 1 TO 7 INCH ZONES OF DARK
GRAY SHALE SPACED 1 TO 3 INCHES BELOW 88.5 FEET

—500

DARK GREENISH-GRAY SHALE, SILTY, DOLOMITIC; LAMINATED;
PARTS EASILY ALONG BEDDING PLANES; FINE SANDY IN
ZONES WITH IRREGULAR BEDDING
(BRAINARD FORMATION)

—495

—490

OCCASIONAL 1 TO 3 INCH ZONE OF SILTY DOLOMITE,
SPACED 2 TO 18 INCHES FROM 105.8 TO 109.3 FEET

—485

VERTICAL FRACTURE FROM 109.3 TO 110.0 FEET

—480

—475

—470

—465

—460

1 TO 6 INCH DOLOMITIC ZONES SPACED 18 TO 30
INCHES, FROM 134.0 TO 148.0 FEET

—455

—450

—445

BORING CONTINUED

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FIGURE 2.5-155

LOG OF BORING L-3
(SHEET 2 OF 4)

ELEVATION
(FEET)

SYMBOLS

—440

—435

—430

—425

—420

—415

—410

—405

—400

—395

—385

—375

—370

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LOG OF BORING L-3
(SHEET 3 OF 4)

DEPTH (FEET)	OTHER TESTS	SHEAR STRENGTH PSF	ATTERBERG LIMITS			FIELD MOISTURE CONTENT %	DRY DENSITY PCF	WATER LOSS (LUGEONS)	PERCENT RECOVERED	ROD
			LIQUID LIMIT %	PLASTIC LIMIT %	PLASTICITY INDEX %					
225										
230									99	98
235										
240									100	100
245										
250									98	98
255										
260									99	99
265										
270									100	100
275										
280									100	100
285										
290										

BORING L-3 CONTINUED

SYMBOLS

DESCRIPTIONS

ELEVATION
(FEET)

45° FRACTURE WITH SLICKENSIDES AT 228.5 FEET

CALCAREOUS SILTSTONE LAYERS GRADE OUT
BELOW 245.0 FEET

MOTTLED LIGHT GRAY TO BUFF DOLOMITIC LIMESTONE, FINE
TO MEDIUM GRAINED, SILTY, FOSSILIFEROUS; THIN
BEDDED, THIN IRREGULAR SHALE PARTINGS AND STYOLITES,
SPACED 1/2 TO 4 INCHES.
(WISE LAKE - DUNLEITH FORMATIONS)
POROUS ZONE FROM 276.4 TO 283.5 FEET WITH
NUMEROUS PINPOINT TO 1/4 INCH VOIDS; 1/2 INCH
VOID AT 279.3 FEET, 1 INCH VOID AT 283.5 FEET;
LESS THAN 5% VOIDS THROUGHOUT

BORING COMPLETED AT 286.1 FEET
ON 10-24-72

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FIGURE 2.5-155

LOG OF BORING L-3
(SHEET 4 OF 4)